

Table I
Soil Analytical Results
City of Waltham

[illegible]

240 Beaver Street, Waltham, MA

[illegible]

Soil Analytical Results

[illegible]

NOTES:

1. ND = Not Detected above the lab reporting limits shown in parenthesis
2. NT = Not Tested.
3. - = No Method I Standard or UCL available
4. Shaded values exceed the MCP Reportable Concentrations (RCs).

Table 2
Hand Borings
225-227 Beaver Street

PARAMETER	Regulatory Limits	SAMPLING LOCATION																			
SAMPLE ID:	MassDEP's Revised	HB-1	HB-5	HB-6	HB-7	HB-8	HB-9	HB-10	HB-11	HB-14	HB-15	HB-16	HB-17	HB-19	HB-20	HB-22	HB-23	HB-24	HB-25	HB-26	HB-27
DATE SAMPLED:	Sediment Screening	11/19/2019	11/19/2019	11/20/2019	11/20/2019	11/20/2019	11/20/2019	11/20/2019	11/20/2019	11/20/2019	11/20/2019	11/20/2019	11/20/2019	11/21/2019	11/21/2019	11/21/2019	11/21/2019	11/21/2019	11/21/2019	11/21/2019	11/21/2019
TIME SAMPLED:	Values	10:00	12:00	8:30	12:00	9:30	10:00	10:30	11:00	12:00	13:00	14:00	15:00	8:30	9:00	10:30	11:30	12:30	13:00	13:30	14:30
SM 2540G (% Wt)																					
% Solids		66.3	80.3	55.9	53.1	45.7	42.7	44.1	60.5	45.7	76	55.8	56.6	67	46.3	53.7	53.5	70.8	56.8	60.7	59.9
MCP 14 Metals																					
SW-846 60100 (mg/Kg dry) Metals Digestion																					
ANTIMONY		ND (2.5)	32	ND (2.9)	ND (3.1)	ND (3.6)	ND (3.8)	ND (3.8)	ND (2.7)	ND (3.7)	ND (2.2)	ND (3.0)	ND (2.9)	ND (2.5)	ND (3.5)	ND (3.2)	ND (3.0)	ND (2.4)	ND (3.0)	ND (2.7)	ND (2.7)
ARSENIC	33	3.2	11	5.3	9.1	5.3	7	12	4.9	6.3	3.8	8.1	6.8	6.9	7.3	5.4	4.9	5.6	7.4	4.7	4.9
BARIUM		47	450	45	47	51	54	50	58	54	46	64	56	40	110	70	70	40	85	62	66
BERYLLIUM		0.57	0.28	0.43	0.47	0.54	0.41	0.51	0.53	0.56	0.38	0.49	0.45	0.31	0.66	0.81	0.81	0.31	0.67	0.76	0.83
CADMIUM	5.0	ND (0.25)	29	ND (0.29)	ND (0.31)	ND (0.36)	ND (0.38)	0.41	ND (0.27)	ND (0.37)	ND (0.22)	ND (0.30)	0.29	0.57	0.42	0.41	0.45	0.45	0.32	0.39	0.4
CHROMIUM	110	11	73	14	15	16	16	16	14	15	11	14	13	26	14	13	13	27	14	12	12
LEAD	130	73	2,700	170	180	160	200	270	120	150	83	87	93	350	71	45	44	290	73	42	42
NICKEL	49	9	170	22	22	13	18	19	10	13	7.2	9.8	9.4	16	11	10	10	14	11	8.9	9.3
SELENIUM		ND (5.0)	ND (4.1)	ND (5.8)	ND (6.2)	ND (7.2)	ND (7.6)	ND (7.7)	ND (5.5)	ND (7.3)	ND (4.4)	ND (6.0)	ND (5.8)	ND (4.9)	ND (7.0)	ND (6.3)	ND (6.1)	ND (4.8)	ND (5.9)	ND (5.4)	ND (5.5)
SILVER		ND (0.50)	130	ND (0.58)	ND (0.62)	ND (0.72)	ND (0.76)	ND (0.77)	ND (0.55)	ND (0.73)	ND (4.4)	ND (0.60)	ND (0.58)	ND (0.49)	ND (0.70)	ND (0.63)	ND (0.61)	ND (0.48)	ND (0.59)	ND (0.54)	ND (0.55)
THALLIUM		ND (2.5)	ND (2.1)	ND (2.9)	ND (3.1)	ND (3.6)	ND (3.8)	ND (3.8)	ND (2.7)	ND (3.7)	ND (2.2)	ND (3.0)	ND (2.9)	ND (2.5)	ND (3.5)	ND (3.2)	ND (3.0)	ND (2.4)	ND (3.0)	ND (2.7)	ND (2.7)
VANADIUM		34	27	41	47	49	42	66	38	54	26	37	37	35	38	41	41	31	45	37	38
ZINC	460	44	5,100	63	64	78	140	110	59	73	45	70	60	110	63	91	90	100	53	79	84
SW-846 74718 (mg/Kg dry) Metals Digestion																					
MERCURY	20	0.15	0.9	0.21	0.3	0.22	0.22	0.29	0.11	0.23	0.091	0.11	0.12	0.11	0.1	0.11	0.11	0.095	0.21	0.11	0.12
SVOC																					
8270D-E (mg/Kg dry)																					
ACENAPHTHENE		ND (0.26)	ND (0.21)	ND (0.30)	ND (0.32)	ND (0.36)	ND (0.39)	ND (0.38)	ND (0.28)	ND (0.37)	ND (0.22)	ND (0.30)	ND (0.30)	ND (0.25)	ND (0.36)	ND (0.32)	ND (0.32)	ND (0.23)	ND (0.30)	ND (0.27)	ND (0.28)
ACENAPHTHYLENE		ND (0.26)	ND (0.21)	ND (0.30)	ND (0.32)	ND (0.36)	ND (0.39)	ND (0.38)	ND (0.28)	ND (0.37)	ND (0.22)	ND (0.30)	ND (0.30)	ND (0.25)	ND (0.36)	ND (0.32)	ND (0.32)	ND (0.23)	ND (0.30)	ND (0.27)	ND (0.28)
ACETOPHENONE		ND (0.51)	ND (0.42)	ND (0.60)	ND (0.64)	ND (0.73)	ND (0.79)	ND (0.75)	ND (0.56)	ND (0.73)	ND (0.44)	ND (0.61)	ND (0.59)	ND (0.50)	ND (0.72)	ND (0.63)	ND (0.63)	ND (0.47)	ND (0.59)	ND (0.55)	ND (0.56)
ANILINE		ND (0.51)	ND (0.42)	ND (0.60)	ND (0.64)	ND (0.73)	ND (0.79)	ND (0.75)	ND (0.56)	ND (0.73)	ND (0.44)	ND (0.61)	ND (0.59)	ND (0.50)	ND (0.72)	ND (0.63)	ND (0.63)	ND (0.47)	ND (0.59)	ND (0.55)	ND (0.56)
ANTHRACENE		ND (0.26)	ND (0.21)	ND (0.30)	ND (0.32)	ND (0.36)	ND (0.39)	ND (0.38)	ND (0.28)	ND (0.37)	ND (0.22)	ND (0.30)	ND (0.30)	ND (0.25)	ND (0.36)	ND (0.32)	ND (0.32)	ND (0.23)	ND (0.30)	ND (0.27)	ND (0.28)
BENZIDINE		ND (1.0)	ND (0.82)	ND (1.2)	ND (1.2)	ND (1.4)	ND (1.5)	ND (1.1)	ND (1.4)	ND (0.86)	ND (1.2)	ND (1.1)	ND (0.98)	ND (1.4)	ND (1.2)	ND (1.2)	ND (0.91)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)
BENZO(A)ANTHRACENE		ND (0.26)	ND (0.21)	ND (0.30)	ND (0.32)	ND (0.36)	ND (0.39)	ND (0.38)	ND (0.28)	ND (0.37)	ND (0.22)	ND (0.30)	ND (0.30)	0.51	ND (0.36)	ND (0.32)	ND (0.32)	0.51	ND (0.30)	ND (0.27)	ND (0.28)
BENZO(A)PYRENE		ND (0.26)	ND (0.21)	ND (0.30)	ND (0.32)	ND (0.36)	ND (0.39)	ND (0.38)	ND (0.28)	ND (0.37)	ND (0.22)	ND (0.30)	ND (0.30)	0.6	ND (0.36)	ND (0.32)	ND (0.32)	0.53	ND (0.30)	ND (0.27)	ND (0.28)
BENZO(B)FLUORANTHENE		ND (0.26)	ND (0.21)	ND (0.30)	ND (0.32)	ND (0.36)	0.43	0.39	ND (0.28)	ND (0.37)	ND (0.22)	ND (0.30)	ND (0.30)	0.81	ND (0.36)	ND (0.32)	ND (0.32)	0.75	ND (0.30)	ND (0.27)	ND (0.28)
BENZO(G,H)PERYLENE		ND (0.26)	ND (0.21)	ND (0.30)	ND (0.32)	ND (0.36)	ND (0.39)	ND (0.38)	ND (0.28)	ND (0.37)	ND (0.22)	ND (0.30)	ND (0.30)	0.43	ND (0.36)	ND (0.32)	ND (0.32)	0.32	ND (0.30)	ND (0.27)	ND (0.28)
BENZO(K)FLUORANTHENE		ND (0.26)	ND (0.21)	ND (0.30)	ND (0.32)	ND (0.36)	ND (0.39)	ND (0.38)	ND (0.28)	ND (0.37)	ND (0.22)	ND (0.30)	ND (0.30)	0.31	ND (0.36)	ND (0.32)	ND (0.32)	0.29	ND (0.30)	ND (0.27)	ND (0.28)
BENZOIC ACID		ND (1.5)	ND (1.2)	ND (1.8)	ND (1.9)	ND (2.1)	ND (2.3)	ND (2.2)	ND (1.6)	ND (2.2)	ND (1.3)	ND (1.8)	ND (1.7)	ND (1.5)	ND (2.1)	ND (1.9)	ND (1.9)	ND (1.4)	ND (1.7)	ND (1.6)	ND (1.6)
BIS(2-CHLOROETHOXY)METHANE		ND (0.51)	ND (0.42)	ND (0.60)	ND (0.64)	ND (0.73)	ND (0.79)	ND (0.75)	ND (0.56)	ND (0.73)	ND (0.44)	ND (0.61)	ND (0.59)	ND (0.50)	ND (0.72)	ND (0.63)	ND (0.63)	ND (0.47)	ND (0.59)	ND (0.55)	ND (0.56)
BIS(2-CHLOROETHYL)ETHER		ND (0.51)	ND (0.42)	ND (0.60)	ND (0.64)	ND (0.73)	ND (0.79)	ND (0.75)	ND (0.56)	ND (0.73)	ND (0.44)	ND (0.61)	ND (0.59)	ND (0.50)	ND (0.72)	ND (0.63)	ND (0.63)	ND (0.47)	ND (0.59)	ND (0.55)	ND (0.56)
BIS(2-CHLORISOPOPROPYL)ETHER		ND (0.51)	ND (0.42)	ND (0.60)	ND (0.64)	ND (0.73)	ND (0.79)	ND (0.75)	ND (0.56)	ND (0.73)	ND (0.44)	ND (0.61)	ND (0.59)	ND (0.50)	ND (0.72)	ND (0.63)	ND (0.63)	ND (0.47)	ND (0.59)	ND (0.55)	ND (0.56)
BIS(2-ETHYLHEXYL)PHTHALATE		ND (0.51)	ND (0.42)	ND (0.60)	ND (0.64)	ND (0.73)	ND (0.79)	ND (0.75)	ND (0.56)	ND (0.73)	ND (0.44)	ND (0.61)	ND (0.59)	ND (0.50)	ND (0.72)	ND (0.63)	ND (0.63)	ND (0.47)	ND (0.59)	ND (0.55)	ND (0.56)
4-BROMOPHENYL PHENYL ETHER		ND (0.51)	ND (0.42)	ND (0.60)	ND (0.64)	ND (0.73)	ND (0.79)	ND (0.75)	ND (0.56)	ND (0.73)	ND (0.44)	ND (0.61)	ND (0.59)	ND (0.50)	ND (0.72)	ND (0.63)	ND (0.63)	ND (0.47)	ND (0.59)	ND (0.55)	ND (0.56)
BUTYLBENZYLPHTHALATE		ND (0.51)	ND (0.42)	ND (0.60)	ND (0.64)	ND (0.73)	ND (0.79)	ND (0.75)	ND (0.56)	ND (0.73)	ND (0.44)	ND (0.61)	ND (0.59)	ND (0.50)	ND (0.72)	ND (0.63)	ND (0.63)	ND (0.47)	ND (0.59)	ND (0.55)	ND (0.56)
CARBAZOLE		ND (0.26)	ND (0.21)	ND (0.30)	ND (0.32)	ND (0.36)	ND (0.39)	ND (0.38)	ND (0.28)	ND (0.37)	ND (0.22)	ND (0.30)	ND (0.30)	ND (0.25)	ND (0.36)	ND (0.32)	ND (0.32)	ND (0.23)	ND (0.30)	ND (0.27)	ND (0.28)
4-CHLOROANILINE		ND (1.0)	ND (0.82)	ND (1.2)	ND (1.2)	ND (1.4)	ND (1.5)	ND (1.1)	ND (1.4)	ND (0.86)	ND (1.2)	ND (1.1)	ND (0.98)	ND (1.4)	ND (1.2)	ND (1.2)	ND (0.91)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)
4-CHLORO-3-METHYLPHENOL		ND (1.0)	ND (0.82)	ND (1.2)	ND (1.2)	ND (1.4)	ND (1.5)	ND (1.1)	ND (1.4)	ND (0.86)	ND (1.2)	ND (1.1)	ND (0.98)	ND (1.4)	ND (1.2)	ND (1.2)	ND (0.91)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)
2-CHLORONAPHTHALENE		ND (0.51)	ND (0.42)	ND (0.60)	ND (0.64)	ND (0.73)	ND (0.79)	ND (0.75)	ND (0.56)	ND (0.73)	ND (0.44)	ND (0.61)	ND (0.59)	ND (0.50)	ND (0.72)	ND (0.63)	ND (0.63)	ND (0.47)	ND (0.59)	ND (0.55)	ND (0.56)
2-CHLOROPHENOL		ND (0.51)	ND (0.42)	ND (0.60)	ND (0.64)	ND (0.73)	ND (0.79)	ND (0.75)	ND (0.56)	ND (0.73)	ND (0.44)	ND (0.61)	ND (0.59)	ND (0.50)	ND (0.72)	ND (0.63)	ND (0.63)	ND (0.47)	ND (0.59)	ND (0.55)	ND (0.56)
4-CHLOROPHENYLPHENYL ETHER		ND (0.51)	ND (0.42)	ND (0.60)	ND (0.64)	ND (0.73)	ND (0.79)	ND (0.75)	ND (0.56)	ND (0.73)	ND (0.44)	ND (0.61)	ND (0.59)	ND (0.50)	ND (0.72)	ND (0.63)	ND (0.63)	ND (0.47)	ND (0.59)	ND (0.55)	ND (0.56)
CHRYSENE		ND (0.26)	ND (0.21)	ND (0.30)	ND (0.32)	ND (0.36)	0.41	ND (0.38)	ND (0.28)	ND (0.37)	ND (0.22)	ND (0.30)	ND (0.30)	0.66	ND (0.36)	ND (0.32)	ND (0.32)	0.63	ND (0.30)	ND (0.27)	ND (0.28)
DIBENZ(A,H)ANTHRACENE		ND (0.26)	ND (0.21)	ND (0.30)	ND (0.32)	ND (0.36)	ND (0.39)	ND (0.38)	ND (0.28)	ND (0.37)	ND (0.22)	ND (0.30)	ND (0.30)	ND (0.25)	ND (0.36)	ND (0.32)	ND (0.32)	ND (0.23)	ND (0.30)	ND (0.27)	ND (0.28)
DIBENZOFURAN		ND (0.51)	ND (0.42)	ND (0.60)	ND (0.64)	ND (0.73)	ND (0.79)	ND (0.75)	ND (0.56)	ND (0.73)	ND (0.44)	ND (0.61)	ND (0.59)	ND (0.50)	ND (0.72)	ND (0.63)	ND (0.63)	ND (0.47)	ND (0.59)	ND (0.55)	

ND (0.36) ND (0.73)
225-227 Beaver Street

1. ND = Not detected above the lab reporting limits shown in parenthesis.

2. ~ = No Method 1 Standard or UCL available

3. Grey shaded values exceed the MCP Reportable Concentrations 1 (RCS-1).

